

Remarks


This election is to Embodiment 1 relating to Figure 1 claiming an electromagnetic solenoid coil having an inner core through which a liquid or gas flows. The coolant enters the inner core through an opening in one end of the core. The body of the inner core is in communication with a surrounding perforated bobbin. A pair of ordinary electromagnetic coil wires is wound around each other to form a helix, and the helix is then wrapped around the perforated bobbin. As coolant flows into the inner core through the opening in the core, the coolant makes it way to the duplex wound coil wires by way of the perforated bobbin. The duplex wound coil wires provide a connected porosity within the coil that permits the coolant to flow in a radial fashion through the coil from the coil's inside diameter to its outside diameter.

The invention shown in Figure 1 is represented by claims 1 – 9 and 14 as well as newly added claims 17 – 20. Newly added claims up to the basic fee amount further clarify the coolant flow in originally filed claims 9 and 14.

Please examine the application at your earliest convenience.

Respectfully Submitted,

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